

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 – 8 (Canceled)

Claim 9 (Previously presented): A system for fusing developer comprising:

a first resonance circuit comprising a switching element, a power source and a first coil,
a second resonance circuit comprising the switching element, the power source and a second coil, the second coil electrically connected to the first coil at a node,
wherein the switching element is adapted to cause a first reduced frequency through the first resonance circuit, the first reduced frequency depending on a media type and a datum of a first sensor associated with the first coil, and a second reduced frequency through the second resonance circuit, the second reduced frequency depending on the media type and a datum of a second sensor associated with the second coil.

Claim 10 (Previously presented): The system for fusing developer of claim 18, wherein

the first reduced frequency further depends on a datum from at least one of a the first temperature sensor associated with the first coil, a humidity sensor, a media thickness sensor, a media moisture content sensor, a media temperature sensor, and a developer temperature sensor, and

the second reduced frequency further depends on a datum from at least one of a second temperature sensor associated with the second coil, the humidity sensor, the media thickness sensor, the media moisture content sensor, the media temperature sensor, and the developer temperature sensor.

Claim 11 (Original): An image forming apparatus comprising the system for fusing developer of claim 9.

Claim 12 (Original): A copy machine comprising the system for fusing developer of claim 9.

Claim 13 -17 (Canceled)

Claim 18 (Previously presented): The system for fusing developer of claim 9

wherein the first sensor and the second sensor comprise temperature sensors.

Claim 19 – 25 (Canceled)